

Title (en)
SIMULATED SOLID FUEL

Title (de)
SIMULIERTER FESTBRENNSTOFF

Title (fr)
COMBUSTIBLE SOLIDE SIMULÉ

Publication
EP 3730840 C0 20230802 (EN)

Application
EP 19193377 A 20190823

Priority
• CN 201910344144 A 20190426
• CN 201920585592 U 20190426

Abstract (en)
[origin: US10762805B1] The present invention discloses a simulated solid fuel, including a fuel body, a flow guiding device, a mist source and a light source. The fuel body houses a mist distribution chamber and an air directing chamber which are isolated from each other, and the surface of the fuel body includes mist outlets and mist inlets, the mist outlets and the mist inlets all communicating with the mist distribution chamber. The flow guiding device provides an upwardly rising air flow in the air directing chamber. The mist source delivers mist to the mist distribution chamber through the mist inlets, and is then attracted by the air flow injected from the air ejection port to move toward the middle area of the fuel body to form a flame shape, and is irradiated by the light emitted from the light source, thereby truly simulating the realistic effect of solid fuel combustion.

IPC 8 full level
F24B 1/18 (2006.01); **F24C 7/00** (2006.01)

CPC (source: EP US)
F24B 1/1808 (2013.01 - US); **F24C 7/004** (2013.01 - EP US); **G09F 13/00** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
US 10762805 B1 20200901; EP 3730840 A1 20201028; EP 3730840 B1 20230802; EP 3730840 C0 20230802; ES 2956777 T3 20231227; PL 3730840 T3 20240115

DOCDB simple family (application)
US 201916585189 A 20190927; EP 19193377 A 20190823; ES 19193377 T 20190823; PL 19193377 T 20190823